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Optical sensor for use in motor vehicles for detecting ambient parameters, which influence visibility

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19839273	A1	19990923	DE 198039273	A	19980828	199948 B
WO 9947396	A1	19990923	WO 99DE665	A	19990311	199948
EP 981470	A1	20000301	EP 99914438	A	19990311	200016
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KR 2001012212	A	20010215	KR 99710161	A	19991103	200154
JP 2002500769	W	20020108	JP 99546372	A	19990311	200206
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			WO 99DE665	A	19990311	
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			EP 99914438	A	19990311	
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			EP 20044483	A	19990311	
ES 2220054	T3	20041201	EP 99914438	A	19990311	200480

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US 6376824 B1 H01L-031/00 Based on patent WO 9947396

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Abstract (Basic): DE 19839273 A1

NOVELTY - The sensor (4) has at least one transmitter (14) and receiver (16,20,22). A windscreen lies in the measurement path between them and influences the light propagation between them. A receiver output signal, which is used to drive the windscreen wipers, changes if the windscreen becomes coated, especially moistened by precipitation. At least one receiver receives light at the ambient intensity and is used to drive a vehicle lighting system.

USE - For motor vehicles for detecting ambient parameters that influence visibility.

ADVANTAGE - A combined sensor enables automatic control of the windscreen wipers and illumination depending on visibility parameters.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic sectional representation of an optical sensor.

optical sensor (4)
transmitter (14)
receivers (16,20,22)
pp; 10 DwgNo 1/10

Title Terms: OPTICAL; SENSE; MOTOR; VEHICLE; DETECT; AMBIENT; PARAMETER; INFLUENCE; VISIBLE

Derwent Class: Q16; Q17; S03; X22

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